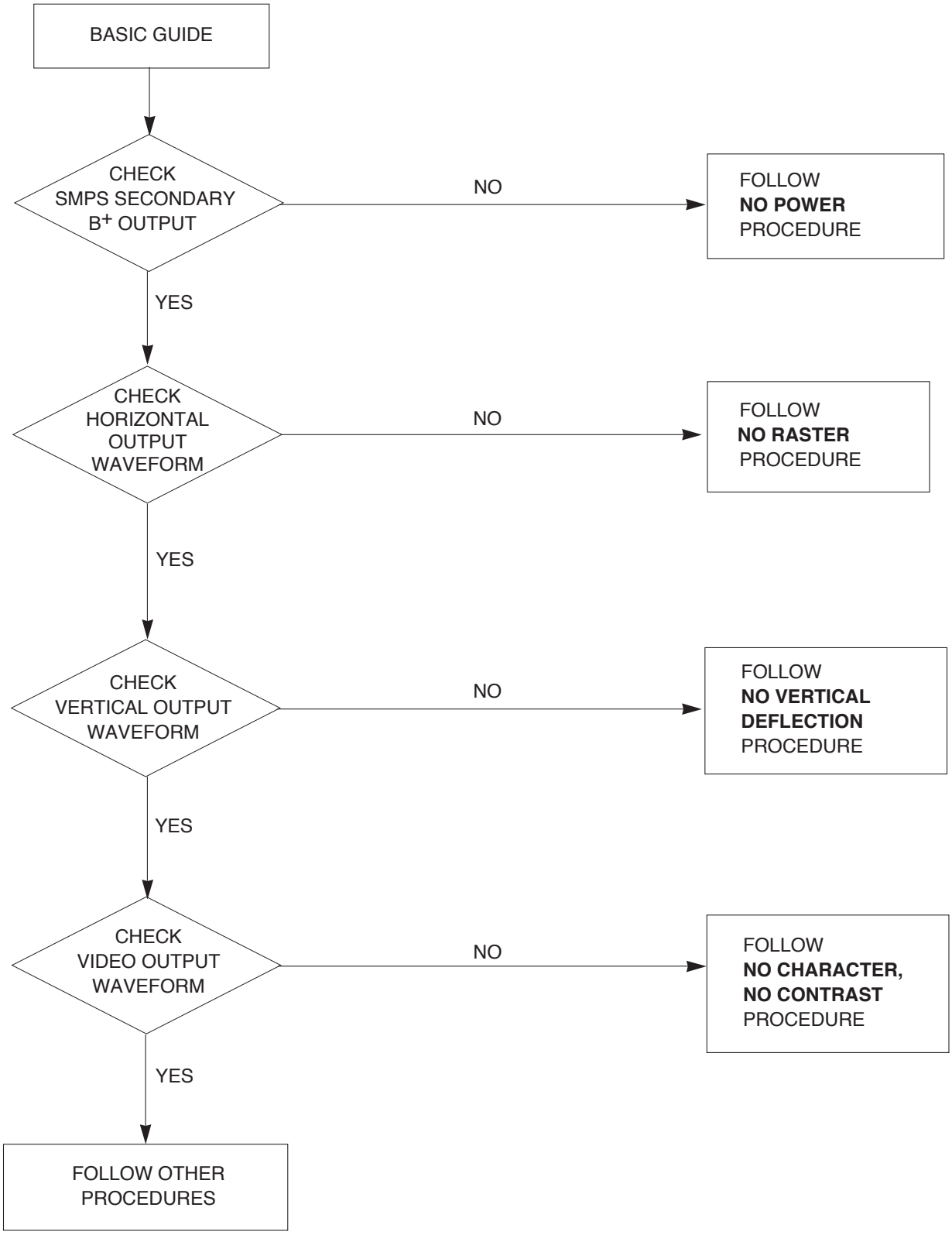
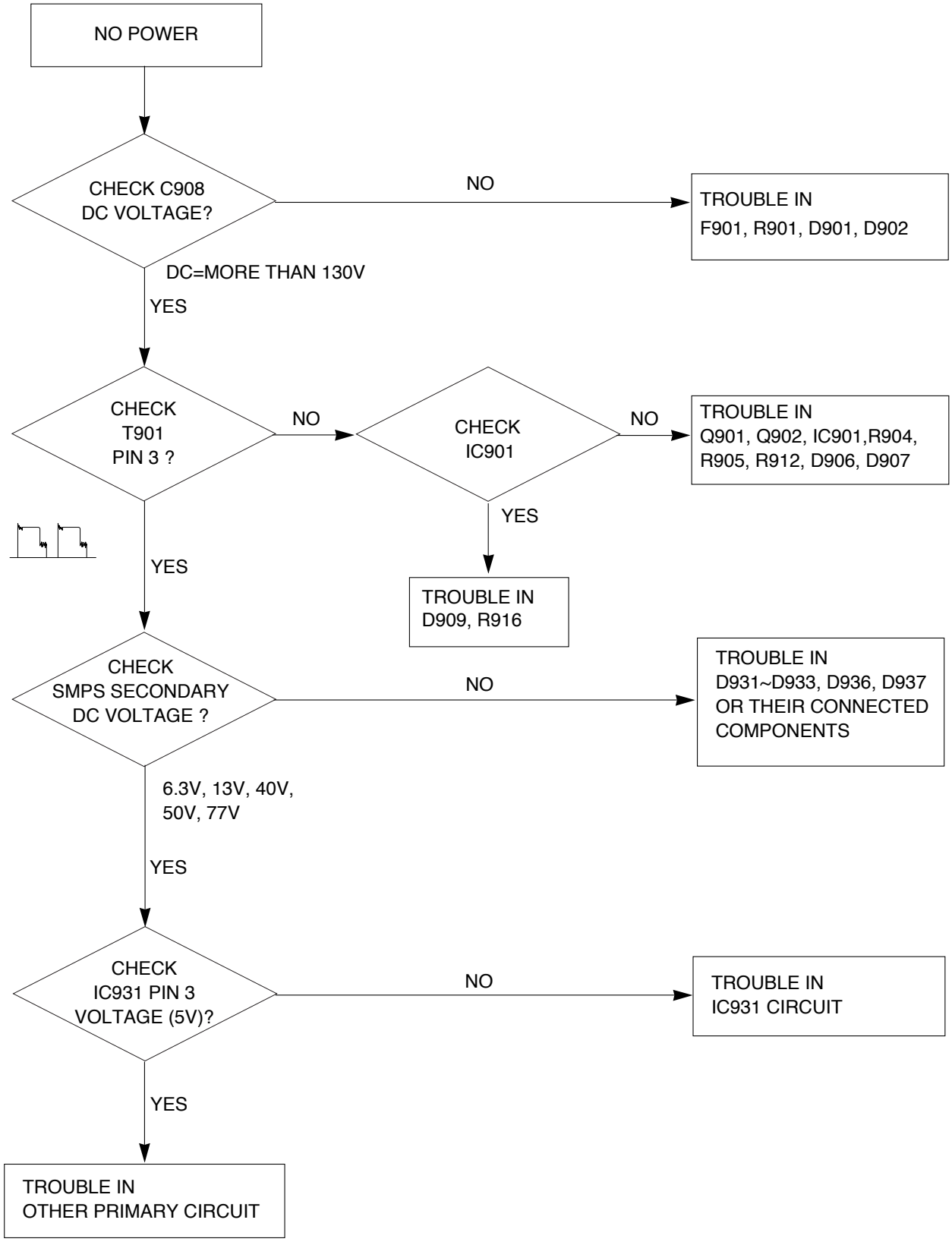
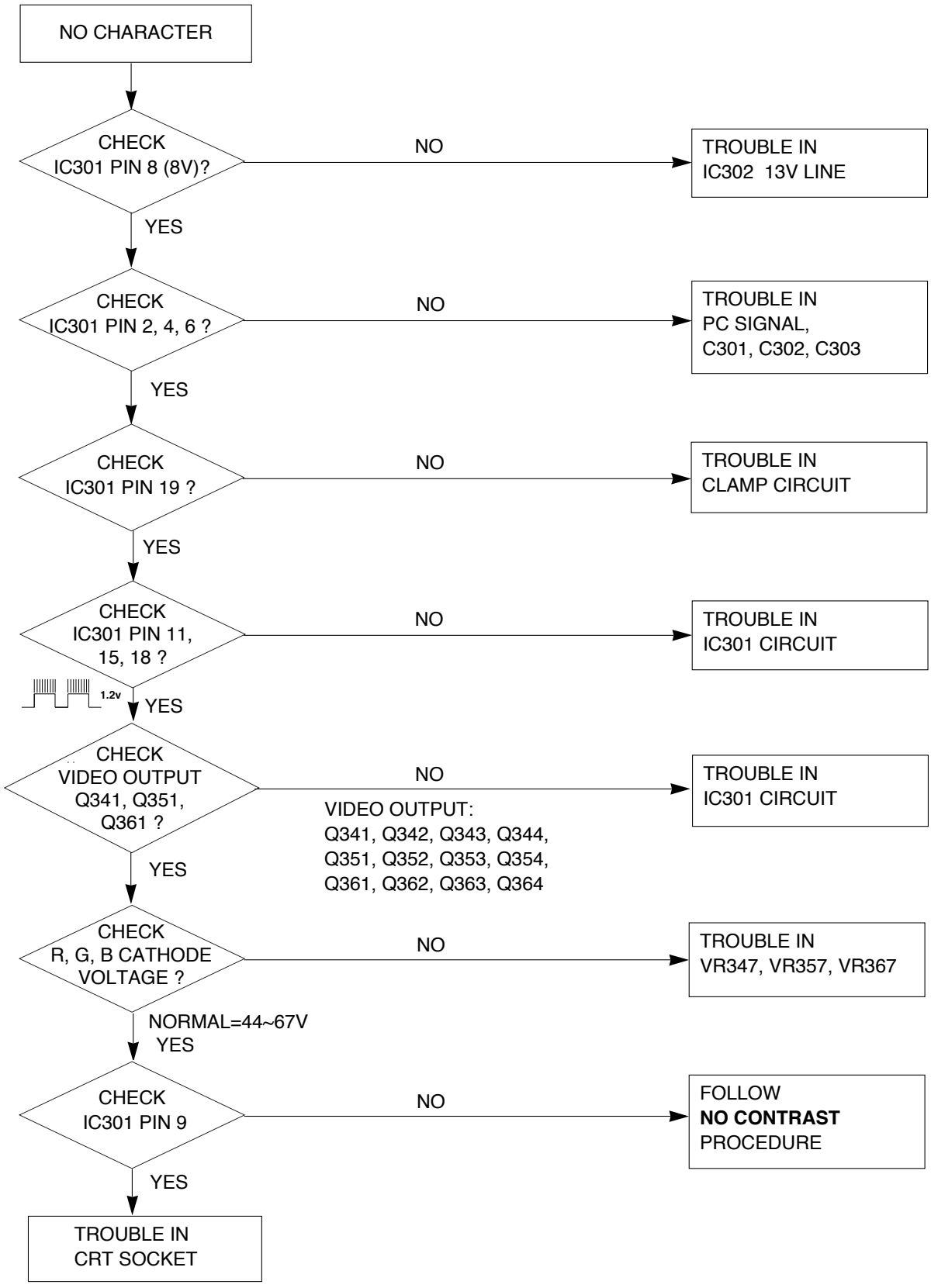
TROUBLE SHOOTING GUIDE



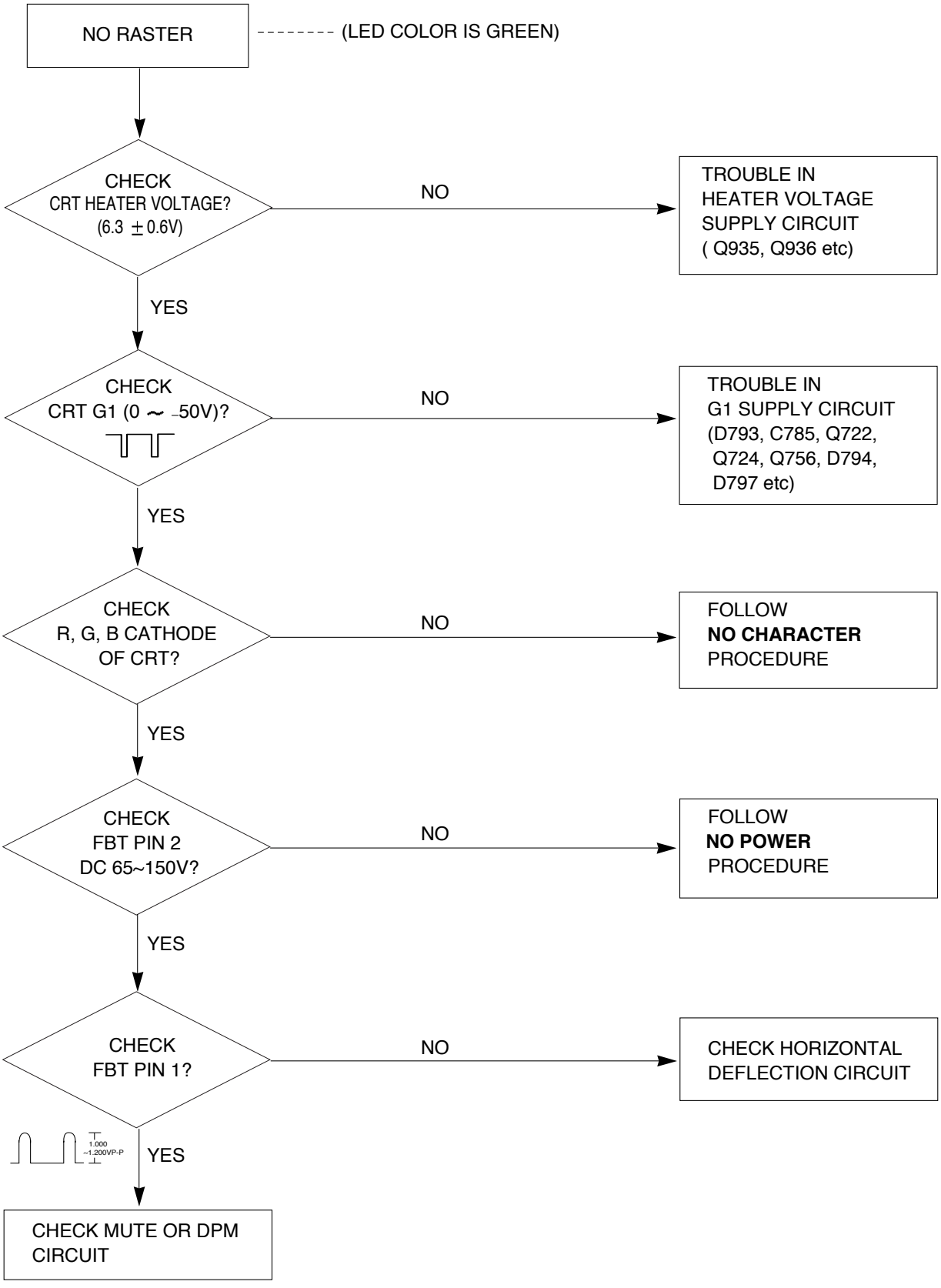
1. NO POWER


NO POWER
CHECK C908
DC VOLTAGE?
NO
TROUBLE IN
F901, R901, D901, D902
DC=MORE THAN 130V
YES
CHECK
T901
PIN 3 ?
NO
CHECK
IC901
NO
TROUBLE IN
Q901, Q902, IC901,R904,
R905, R912, D906, D907
YES
TROUBLE IN
D909, R916
YES
CHECK
SMPS SECONDARY
DC VOLTAGE ?
NO
TROUBLE IN
D931~D933, D936, D937
OR THEIR CONNECTED
COMPONENTS
6.3V, 13V, 40V,
50V, 77V
YES
CHECK
IC931 PIN 3
VOLTAGE (5V)?
NO
TROUBLE IN
IC931 CIRCUIT
YES
TROUBLE IN
OTHER PRIMARY CIRCUIT

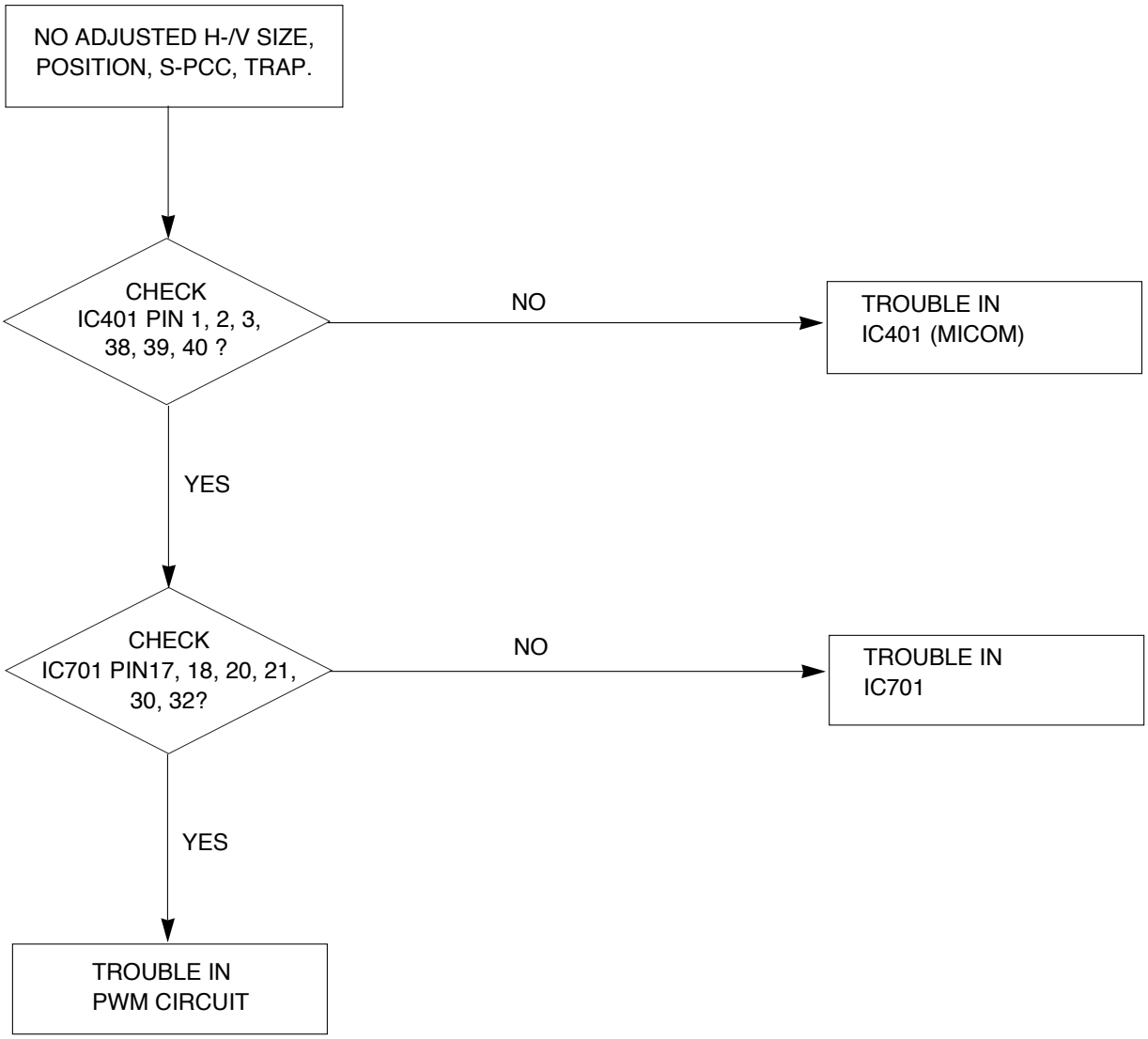
2. NO CHARACTER



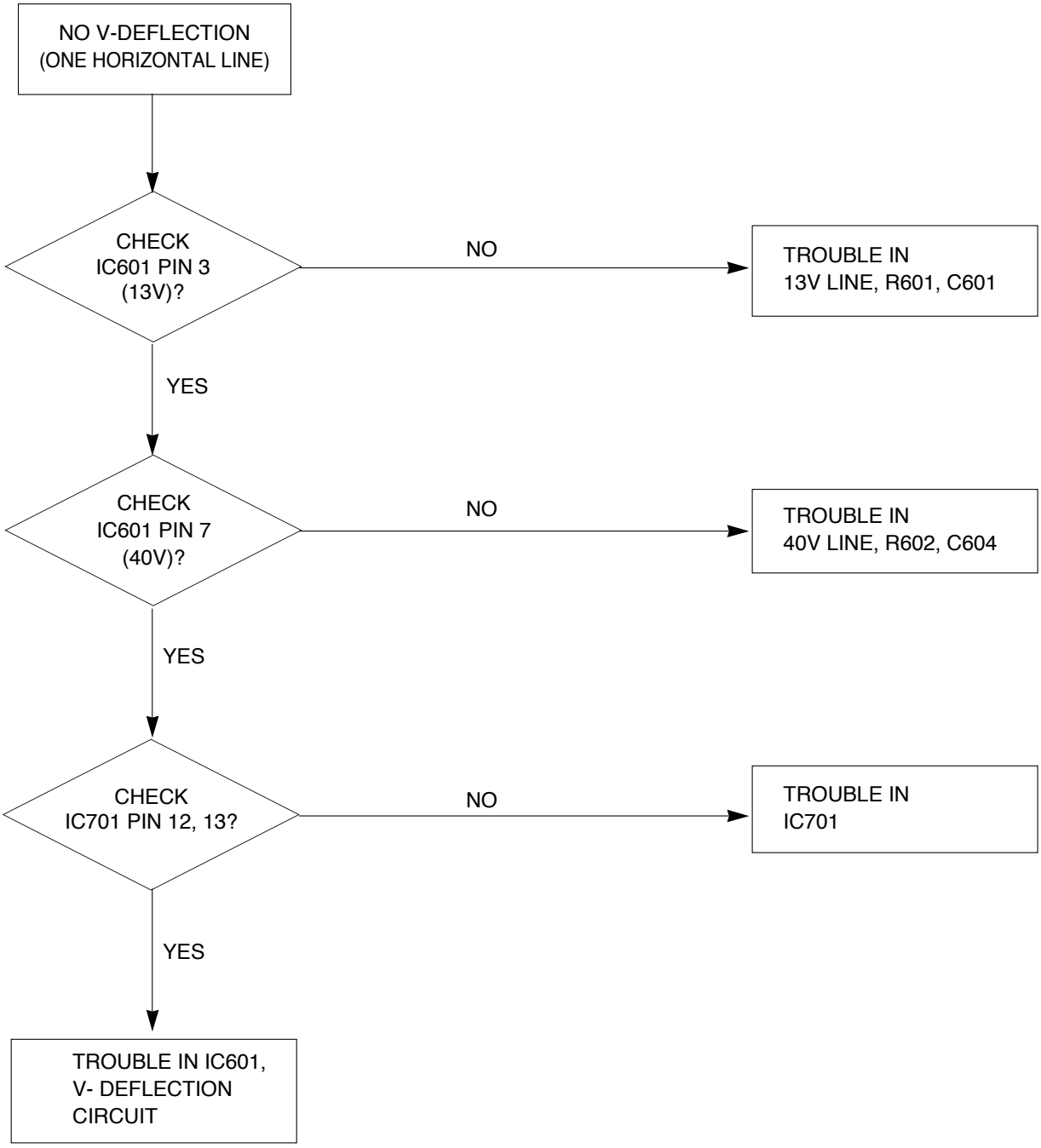
3. NO RASTER


NO RASTER
-------- (LED COLOR IS GREEN)
CHECK
CRT HEATER VOLTAGE?
(6.3 ±0.6V)
NO
TROUBLE IN
HEATER VOLTAGE
SUPPLY CIRCUIT
(Q935, Q936 etc)
YES
CHECK
CRT G1 (0 ~ -50V)?
NO
TROUBLE IN
G1 SUPPLY CIRCUIT
(D793, C785, Q722,
Q724, Q756, D794,
D797 etc)
YES
CHECK
R, G, B CATHODE
OF CRT?
NO
FOLLOW
NO CHARACTER
PROCEDURE
YES
CHECK
FBT PIN 2
DC 65~150V?
NO
FOLLOW
NO POWER
PROCEDURE
YES
CHECK
FBT PIN 1?
NO
CHECK HORIZONTAL
DEFLECTION CIRCUIT
1.000
~1.200VP-P
YES
CHECK MUTE OR DPM
CIRCUIT

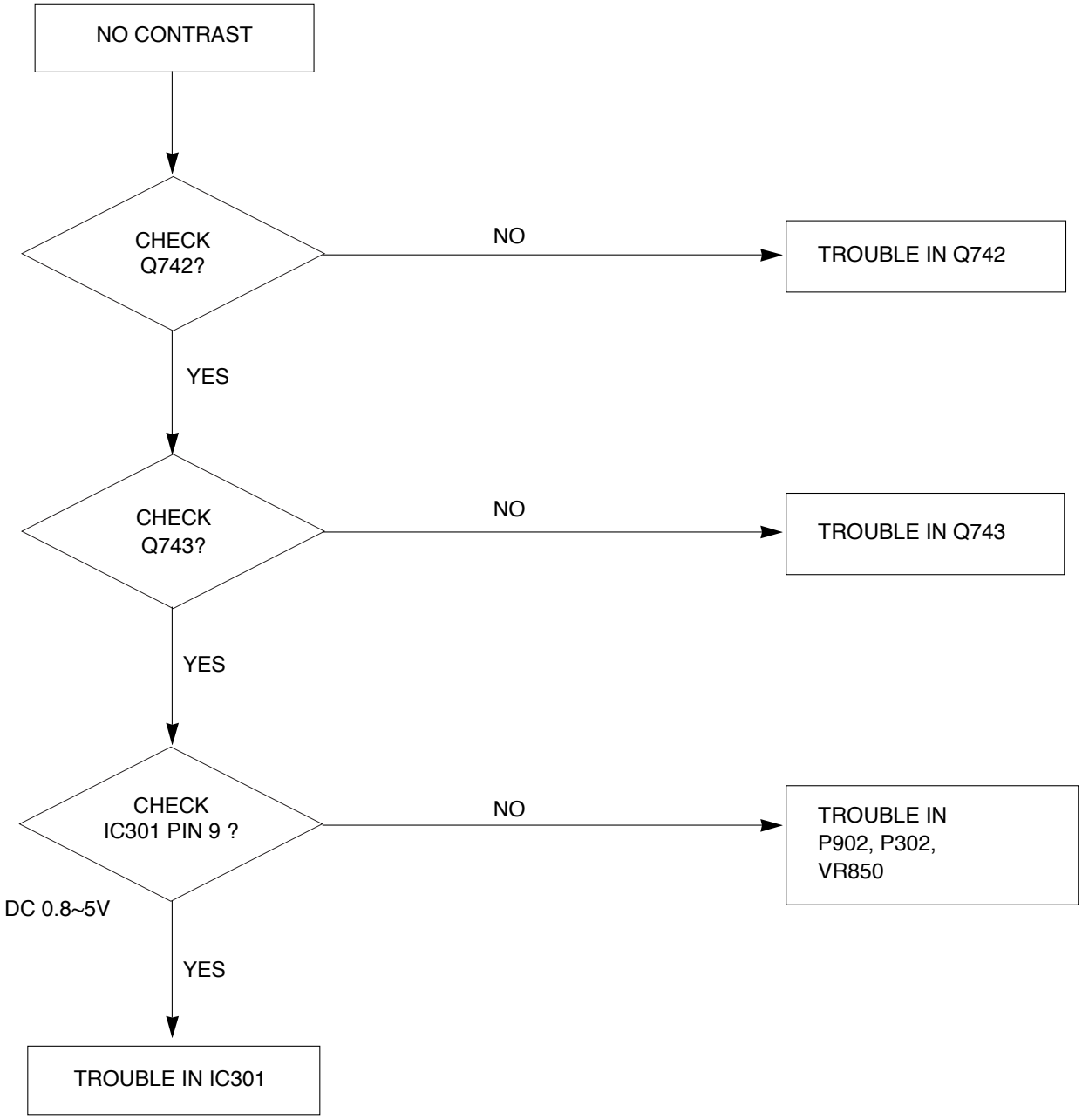
4. TROUBLE IN H/V SIZE, H/V POSITION, S-PCC, TRAPEZOID


NO ADJUSTED H-/V SIZE, POSITION, S-PCC, TRAP.
CHECK IC401 PIN 1, 2, 3, 38, 39, 40 ?
NO
TROUBLE IN IC401 (MICOM)
YES
CHECK IC701 PIN17, 18, 20, 21, 30, 32?
NO
TROUBLE IN IC701
YES
TROUBLE IN PWM CIRCUIT

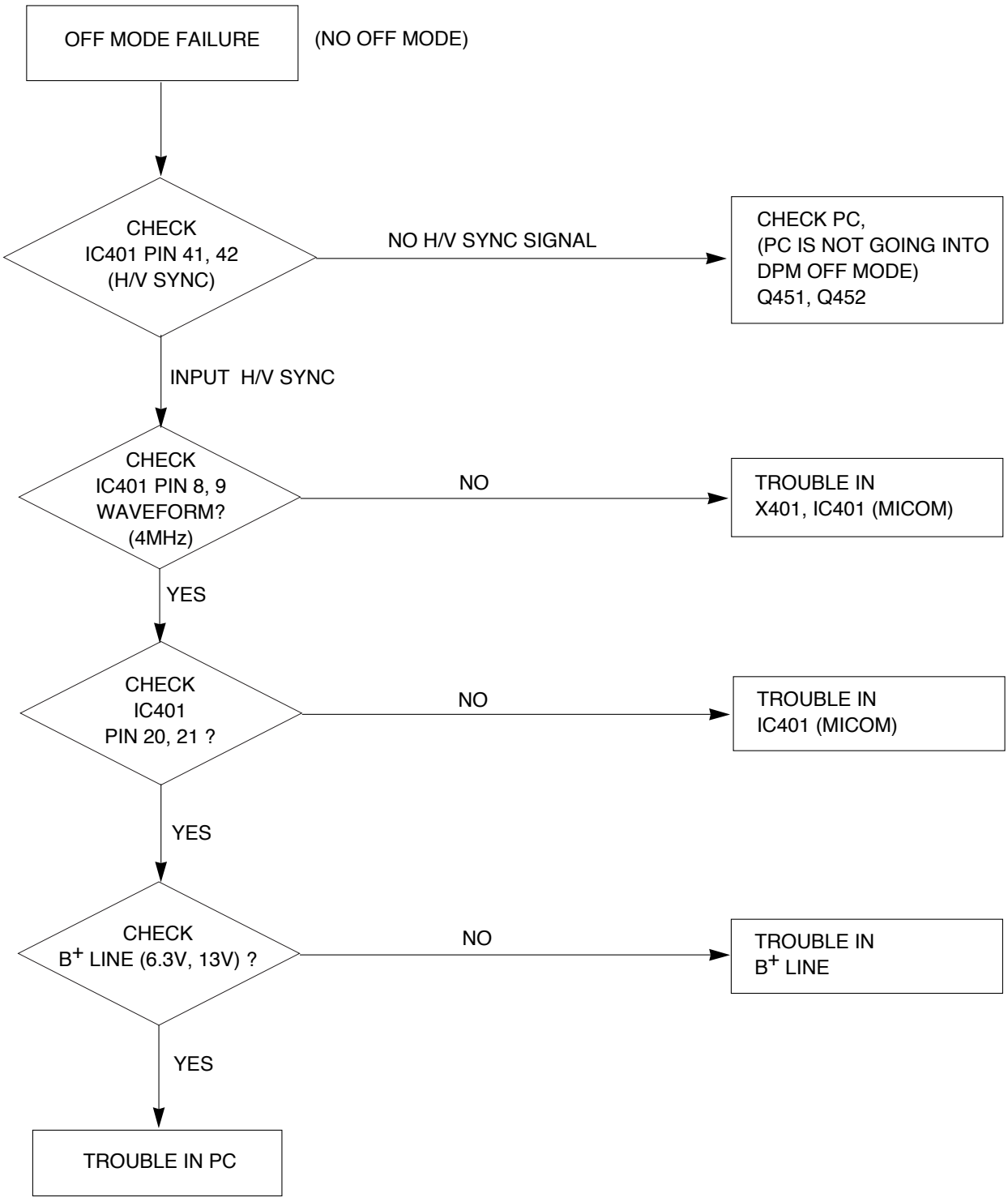
5. NO VERTICAL DEFLECTION



6. NO CONTRAST



7. TROUBLE IN DPM



8. NO DEGAUSSING